



TFW

**PATENT**  
Attorney Docket No. ASC-049C1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT(S): Fitzgerald  
SERIAL NO.: 10/774,890 GROUP NO.: 2818  
FILING DATE: February 9, 2004 EXAMINER: Tran, Mai Huong C.  
TITLE: RELAXED SiGe PLATFORM FOR HIGH SPEED CMOS  
ELECTRONICS AND HIGH SPEED ANALOG CIRCUITS

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. In accordance with the U.S. Patent Office's partial waiver of the requirement under 37 C.F.R. 1.98(a)(2)(i), only copies of the non-patent publications are enclosed.

**REMARKS**

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

(1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or

(2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and

the requisite Statement is below, OR

the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

Supplemental Information Disclosure Statement

Serial No. 10/774,890

Page 2 of 2

(3) after the mailing date of a **final action or notice of allowance** but before the payment of the **issue fee**, AND

the requisite Statement is below, **AND**

the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

Respectfully submitted,



Natasha C. Us  
Attorney for Applicant(s)  
Goodwin Procter LLP  
Exchange Place  
Boston, Massachusetts 02109

Date: July 7, 2005

Reg. No. 44,381

Tel. No.: (617) 570-1806

Fax No.: (617) 523-1231



PATENT  
Attorney Docket No. ASC-049C1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Fitzgerald  
SERIAL NO.: 10/774,890 GROUP NO.: 2818  
FILING DATE: February 9, 2004 EXAMINER: Tran, Mai Huong C.  
TITLE: RELAXED SiGe PLATFORM FOR HIGH SPEED CMOS  
ELECTRONICS AND HIGH SPEED ANALOG CIRCUITS

**CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8**

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 7<sup>th</sup> day of July, 2005.

  
Wendy L. Martin

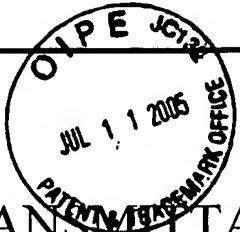
Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith are:

1. Transmittal Form (1 page);
2. Supplemental Information Disclosure Statement (2 pages);
3. Form PTO – 1449 (1 page);
4. Copies of cited references (C123 – C134);
5. Return receipt postcard

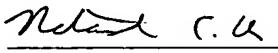
**TRANSMITTAL  
FORM**



<b>TRANSMITTAL FORM</b>	Application Serial Number	10/774,890
	Filing Date	February 9, 2004
	First Named Inventor	Fitzgerald
	Group Art Unit	2818
	Examiner Name	Tran, Mai Huong C.
	Attorney Docket No.	ASC-049C1
	Patent No.	Not applicable
	Issue Date	Not applicable

**ENCLOSURES (check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <ul style="list-style-type: none"> <li><input type="checkbox"/> Check Attached</li> <li><input type="checkbox"/> Copy of Fee Transmittal Form</li> </ul>	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences
<input type="checkbox"/> Amendment/Response <ul style="list-style-type: none"> <li><input type="checkbox"/> Preliminary</li> <li><input type="checkbox"/> After Final</li> <li><input type="checkbox"/> Affidavits/declaration(s)</li> <li><input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets ____]</li> </ul>	<input type="checkbox"/> Formal Drawing(s)	<input type="checkbox"/> Appeal Brief (in triplicate)
	<input type="checkbox"/> Request For Continued Examination (RCE) Transmittal	<input type="checkbox"/> Status Inquiry
	<input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)	<input checked="" type="checkbox"/> Return Receipt Postcard
	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8
<input type="checkbox"/> Petition for Extension of Time	<input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application	<input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Form PTO-1449</li> <li><input checked="" type="checkbox"/> Copies of IDS Citations (C123 – C134)</li> </ul>	<input type="checkbox"/> Small Entity Statement	<input type="checkbox"/> Additional Enclosure(s) (please identify below)
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD(s) for large table or computer program	
<input type="checkbox"/> Sequence Listing submission <ul style="list-style-type: none"> <li><input type="checkbox"/> Paper Copy/CD</li> <li><input type="checkbox"/> Computer Readable Copy</li> <li><input type="checkbox"/> Statement verifying identity of above</li> </ul>	<input type="checkbox"/> Amendment After Allowance	
	<input type="checkbox"/> Request for Certificate of Correction <ul style="list-style-type: none"> <li><input type="checkbox"/> Certificate of Correction (in duplicate)</li> </ul>	

<b>CORRESPONDENCE ADDRESS</b>	<b>SIGNATURE BLOCK</b>
Direct all correspondence to: Patent Administrator Goodwin Procter LLP Exchange Place Boston, MA 02109 Tel. No.: (617) 570-1000 Fax No.: (617) 523-1231 Customer No. 051414	Respectfully submitted,  Natasha C. Us Attorney for Applicant(s) Goodwin Procter LLP Exchange Place Boston, MA 02109

<b>FORM PTO - 1449</b> <b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b>				<b>ATTORNEY DOCKET NO.: ASC-049C1</b> <b>APPLICANT(S): Fitzgerald</b> <b>SERIAL NO.: 10/774,890</b> <b>FILING DATE: February 9, 2004</b> <b>GROUP: 2818</b>			
<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A191	2003/0080361 A1	05/01/2003	Murthy et al.			
	A192	5,821,577	10/13/1998	Crabbé et al.			
	A193	6,350,311 B1	02/26/2002	Chin et al.			
<b>OTHER ART, JOURNAL ARTICLES, ETC.</b>							
EXAM. INIT.	<b>OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)</b>						
	C123	Examination Report for European Patent Application No. 98 931 529.6-2203, dated January 10, 2002, 4 pages.					
	C124	Examination Report for European Patent Application No. 98 931 529.6-2203, dated May 9, 2003, 5 pages.					
	C125	Examination Report for European Patent Application No. 01 973 651.1-1528, dated March 22, 2004, 3 pages.					
	C126	Examination Report for European Patent Application No. 01 989 893.1-1235, dated August 16, 2004, 5 pages.					
	C127	Examination Report for European Patent Application No. 01 973 651.1-1528, dated November 12, 2004, 9 pages.					
	C128	Examination Report for European Patent Application No. 02 709 406.9-2203, dated May 11, 2004, 3 pages.					
	C129	Examination Report for European Patent Application No. 02 709 406.9-2203, dated March 24, 2005, 5 pages.					
	C130	International Search Report for Patent Application No. PCT/US 98/13076, dated October 27, 1998, 2 pages.					
	C131	Notice of Preliminary Rejection for Korean Patent Application No. 10-1999-7012279, dated February 21, 2002, 2 pages (English translation attached).					
	C132	Notice of Final Rejection for Korean Patent Application No. 10-1999-7012279, dated February 25, 2003 2 pages (English translation attached).					
	C133	Klauk et al., "Thermal stability of undoped strained Si channel SiGe heterostructures," Applied Physics Letter, No. 68, April 1, 1996, pgs. 1975-1977.					
	C134	Rim et al., "Enhanced Hole Mobilities in Surface-channel Strained-Si- <i>p</i> -MOSFETs," IEEE (1995), pg. 20.3.1-20.3.4.					
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			